

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to provide a bearing apparatus for a wheel of vehicle which can be press-fitted into a knuckle of light metal alloy intended to reduce its weight as well as can prevent the reduction of preload and generation of creep in the wheel bearing due to temperature rise. According to the present invention, there is provided a bearing apparatus for a wheel of vehicle comprising a hub wheel (1) having a wheel mounting flange (4) integrally formed therewith at its one end and an axially extending cylindrical portion (5) of a smaller diameter; a wheel bearing (3, 20, 24, 29, 31, 36, 37, 40, 43) including a double row rolling bearing arranged on the cylindrical portion (5); and a knuckle (2) of light metal, wherein the wheel bearing (3, 20, 24, 29, 31, 36, 37, 40, 43) is press-fitted into the knuckle (2) via a predetermined interference and the hub wheel (1) is rotatably supported relative to the knuckle (2) via the wheel bearing (3, 20, 24, 29, 31, 36, 37, 40, 43) characterized in that at least one of an inner circumferential surface of an inner ring (13, 26, 33, 39, 44) and an outer circumferential surface of an outer ring (12, 21, 25, 30, 32, 38) of the wheel bearing (3, 20, 24, 29, 31, 36, 37, 40, 43) is formed with an annular groove (or grooves) (18, 22, 34, 45) and each annular groove (18, 22, 34, 45) is filled with a resin band (19, 23, 35, 46) of heat resisting synthetic resin formed by injection molding.